

ABSTRACT

**ISOLATION AND IDENTIFICATION OF TRITERPENOID
COMPOUND FROM *Swietenia Mahagoni* (L.) Jacq. SEED**

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Isolation and identification of triterpenoid compound from ethyl acetate extract of *Swietenia Mahagoni* (L.) Jacq. had been done. Dried seed of the plant (640g) was extracted successively with ethanol 96% (49 g). The ethanol 96% was partitioned between water and *n*-hexane, next step water phase was partitioned with ethyl acetate (21,5 g). the ethyl acetate fraction was separated respectively by vacuum liquid chromatography and column chromatography to get compound. The X compound was identified using FTIR, ¹H-RMI and ¹³C-RMI spectroscopy. Based on the data spectra, we conclude that X compound is similar with Swietenine E.

Keywords: isolation, *Swietenia Mahagoni* (L.) Jacq, triterpenoid